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THE VINEYARDS OF SOUTHERN CALIFORNIA
—
REPORT TO THE
Board of State Viticultural Commissioners
OF CALIFORNIA
—
1893

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THE
VINEYARDS OF SOUTHERN CALIFORNIA;

BEING THE

REPORT OF E. C. BICHOWSKY, COMMISSIONER
FOR THE LOS ANGELES DISTRICT,

TO THE

BOARD OF STATE VITICULTURAL COMMISSIONERS OF CALIFORNIA.

PUBLISHED BY THE BOARD OF STATE VITICULTURAL
COMMISSIONERS.



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INTRODUCTION.

The canvass of the counties of Los Angeles, San Bernardino, Orange, Riverside, and San Diego was undertaken by the Board of State Viticultural Commissioners, to ascertain, as nearly as possible, the present acreage in vines in those counties; especially as the Anaheim disease has wrought such damage in many sections of that portion of the State.

THE VINEYARDS OF SOUTHERN CALIFORNIA.

REPORT OF E. C. BICHOWSKY,

Commissioner for the Los Angeles District.

SAN GABRIEL, October 14, 1893.

To the Board of State Viticultural Commissioners:

GENTLEMEN: I herewith take pleasure in submitting to you the report of Professor Ethelbert Dowlen, on the counties of Los Angeles, Orange, San Bernardino, Riverside, and San Diego, together with a census and directory of vineyardists, as obtained by him.

Respectfully,

E. C. BICHOWSKY,
Commissioner for the Los Angeles District.

REPORT OF WINFIELD SCOTT.

SAN FRANCISCO, October 30, 1893.

Hon. E. C. BICHOWSKY, Commissioner for the Los Angeles District:

SIR: At your request I have prepared a recapitulation of the reports on vineyards, made under your direction. I have purposely omitted any recapitulation of the stocks of wine on hand, as the reports are difficult to obtain correctly, and the results are often misleading. The report on the crop in several districts, notably in Orange and Riverside Counties, is not complete.

The blank used in the southern counties was as follows:

	COUNTY.
	DISTRICT IN COUNTY.
Name and address	
Total acres in vines	
Acres in bearing	
Acres in wine grapes	
Acres in table grapes	
Acres in raisin grapes	
Acres planted season of 1892-3	
Character of the soil of the vineyard	
How is the vineyard situated—lowlying, upland, or mountain?	
Crop in 1892	
Stock of wine on hand, in gallons	
Total quantity of cooperage	gallons: { Oak cooperage
Remarks:	Redwood cooperage

The returns tabulated are as follows:

GRAND TOTAL OF SOUTHERN COUNTIES.

Counties.	Total Acres in Vines	Acres in Bear- ing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Rat- sin Grapes	Acres Planted in Season of 1892-3	Crop, 1892.
Los Angeles	4,443½	4,091½	4,083½	38	322	282	9,996 tons grapes.
Orange	601½	363	99	12	490½	73	128 tons grapes.
Riverside	1,511	1,112	183	2	1,326	35	141½ tons grapes.
San Bernardino	5,839½	5,198	1,595	5	4,239½	95	382 tons raisins.
San Diego	4,423½	4,290¼	381	47½	3,995¼	21	1,142½ tons raisins.
							4,923 tons grapes.
							1,117 tons grapes.
							1,336¼ tons raisins.
	16,819¼	15,054¼	6,341½	104½	10,373¼	506	16,310½ tons grapes.
							2,861½ tons raisins.

LOS ANGELES COUNTY.

District.	Total Acres in Vines	Acres in Bear- ing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Rat- sin Grapes	Acres Planted in Season of 1892-3	Crop, 1892.
Alhambra	35	18	35	-----	-----	17	50 tons grapes.
Altadena	5	5	5	-----	-----	-----	13 tons grapes.
Antelope	193	42	1½	½	191	102	-----
Artesia	123½	97½	123½	-----	-----	23	407 tons grapes.
Big Rock Creek	46	46	5	2	39	-----	230 tons grapes.
Downey	86	56	86	-----	-----	30	200 tons grapes.
Glendale	150	150	150	-----	-----	-----	721 tons grapes.
La Cañada	15	15	10	-----	5	-----	20 tons grapes.
Lamanda Park	1,113	1,105	1,068	3	42	3	2,961 tons grapes.
Los Angeles	16	16	16	-----	-----	-----	-----
Lordsburg	8	8	8	-----	-----	-----	25 tons grapes.
Manzana	40	-----	-----	-----	40	40	123 tons grapes.
Monrovia	55	55	55	-----	-----	-----	785 tons grapes.
Norwalk	255	236	255	-----	-----	19	-----
Palmdale	7	5	7	-----	-----	-----	-----
Pomona	166	160	156	5	5	-----	746½ tons grapes.
Ramona	320	300	320	-----	-----	20	300 tons grapes.
Roscoe	200	200	200	-----	-----	-----	1,200 tons grapes.
San Gabriel	1,347	1,337	1,347	-----	-----	5	1,670 tons grapes.
Santa Fe Springs	89	74	71	18	-----	15	215 tons grapes.
Sierra Madre	82	82	82	-----	-----	-----	190 tons grapes.
Tropico	92	84	82½	9½	-----	8	140 tons grapes.
	4,443½	4,091½	4,083½	38	322	282	9,996 tons grapes.

ORANGE COUNTY.

District.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3	Crops in 1892.
Anaheim	49	29	47	-----	2	15	17 tons grapes.
El Toro	22	22	10	12	-----	-----	56 tons grapes.
Fullerton	83	83	42	-----	41	-----	55 tons grapes.
McPherson	58	24	-----	-----	58	10	-----
Orange	223	109½	-----	-----	223	21	-----
Tustin	166½	95½	-----	-----	166½	27	-----
	601½	363	99	12	490½	73	128 tons grapes.

RIVERSIDE COUNTY.

District.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3	Crop in 1892.
Dry Ranch	479	108	-----	2	477	22	4½ tons raisins.
Ferris	30	5	-----	-----	30	10	½ ton grapes.
Rincon	170	170	-----	-----	170	-----	-----
Riverside	621	621	-----	-----	621	-----	377½ tons raisins.
South Riverside	51	48	23	-----	23	3	91 tons grapes.
Yorba	160	160	160	-----	-----	-----	50 tons grapes.
	1,511	1,112	183	2	1,326	35	141½ tons grapes. 382 tons raisins.

SAN BERNARDINO COUNTY.

District.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3	Crop in 1892.
Banning	60	60	60	-----	-----	-----	360 tons grapes.
Beaumont	87	87	87	-----	-----	-----	200 tons grapes.
Bloomington	214	214	-----	-----	214	-----	-----
Cotton	60	60	20	-----	40	-----	45 tons grapes.
Cucamonga	1,275	940	768	4	503	11	175 tons raisins.
Dry Ranch	263	202	-----	1	262	10	2,113 tons grapes.
East Highland	9	9	-----	-----	9	-----	12½ tons raisins.
Etiwanda	906½	818½	-----	-----	906½	14	50 tons grapes.
Grapeland	265½	221	55	-----	210½	-----	8 tons raisins.
Hesperia	271	211	-----	-----	271	60	531½ tons raisins.
Highland	91	91	-----	-----	91	-----	25 tons grapes.
Rialto	631½	601½	52	-----	579½	-----	58 tons raisins.
Redlands	282½	282½	85	-----	197½	-----	95 tons raisins.
Rochester	930½	907½	-----	-----	930½	-----	93½ tons raisins.
San Bernardino	493	493	468	-----	25	-----	18 tons raisins.
	5,839½	5,198	1,595	5	4,239½	95	245 tons grapes.
							450 tons grapes.
							148 tons raisins.
							3½ tons raisins.
							1,440 tons grapes.
							4,928 tons grapes.
							1,142½ tons raisins.

SAN DIEGO COUNTY.

District.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3	Crop in 1892.
Alpine	46	46	12	—	34	—	10 tons grapes.
Bernard	15	10	—	2	13	—	13 tons raisins.
Buena	4	4	—	—	4	—	5 tons raisins.
El Cajon	2,632	2,632	8	15	2,609	—	78 tons grapes. 828 tons raisins.
Escondido	307½	284¾	29	10	268¾	—	169½ tons raisins. 86 tons grapes.
Fallbrook	10	10	—	—	10	—	10 tons raisins.
Jamul	33	33	—	—	33	—	4 tons raisins.
Lakeville	39	39	20	—	19	—	6½ tons raisins. 80 tons grapes.
Otay	227½	186½	152	1½	74	4	350 tons grapes.
Palm Valley	193	193	—	8	185	—	—
Poway	338	332	—	—	338	6	60½ tons raisins.
San Diego	29	29	—	—	29	—	10 tons raisins.
San Marcos	28	28	20	—	8	—	40 tons grapes.
San Pasqual	35	23	—	—	35	11	40 tons grapes.
Sweetwater Valley ..	311	300	—	11	300	—	11 tons grapes. 207½ tons raisins.
Twin Oaks	94	94	73	—	21	—	12 tons raisins.
Vista	82	67	67	—	15	—	370 tons grapes. 63 tons grapes.
	4,423¾	4,290¾	381	47½	3,986¾	21	1,117 tons grapes. 1,336¾ tons raisins.

Respectfully submitted.

WINFIELD SCOTT,
Secretary.

REPORT OF ETHELBERT DOWLEN.

SAN GABRIEL, October 9, 1893.

Hon. E. C. BICHOWSKY, Commissioner Los Angeles District:

SIR: Herewith I beg to hand the report of my visit to the vineyards of the Los Angeles District. The statistics have already been forwarded to San Francisco, and would have been sent in earlier only that many people were away from home, which has caused delay in obtaining the necessary information. In addition to this, there was a considerable area of newly planted vineyards to be gone over, which have all been set out since the issuing of the last edition of the directory. The long distances to be traveled by buggy have also greatly lengthened the time required to traverse the various districts.

The vineyards in the southern counties of the State are, on the whole, in a better condition than they were last year. In the early part of the year the vines looked better than they had done for the last five years. This better condition has been kept up in most places, though in some instances there has been a falling off, but generally speaking a better growth has been made and the promise of a larger crop has been fulfilled.

ANAHEIM, OR CALIFORNIA, DISEASE.

With respect to the Anaheim, or California, disease, it is not easy to make any statement that may be fairly taken as definite. This disease remains as vexatious as ever, so far as cause and cure are concerned, but it appears to be slowly losing its deadly power. It also evidently starts a little later each year; in fact, it is now scarcely possible to make any reliable estimate of the amount of disease present in a district before November, whilst a few years ago its presence was fully declared by August, and the first symptoms were observable much earlier than that. This year the disease is present over a larger area perhaps than it was last year, but it does not appear to be doing so much injury. Here and there purely local conditions seem to have favored a stronger attack, but on the whole it seems to be slowly decreasing in virulence. This is certainly the case in some places, where vines, which last year showed a considerable proportion of foliage having the usual yellow markings, have this year entirely recovered and are bearing a good crop of fruit. In the Santa Ana district also some vines were seen which were apparently quite healthy, although the original vineyard had been dug out some years since on account of disease; the ground since then has been regularly cropped with hay, but some of the old roots have regularly sent out a new growth, which has never yet shown any signs of sickness.

VINES BEING TAKEN OUT.

In some districts, especially where citrus fruits can be cultivated with advantage, there is still an inclination to take out vines and replant with citrus fruits. Other growers have either already set out deciduous trees amongst the vines, or will do so this next season, whilst some will take out the vines entirely, claiming that the low prices ruling for grapes, whether dried or green, leave them no other course.

NEW AREAS SET TO VINES.

In other districts considerable acreage has been newly set to vines, all of raisin varieties, within the last two years. Most of these new vineyard districts are in San Bernardino County, in the neighborhood of Rialto, Rochester, Bloomington, and the Dry Ranch districts. Part of this area is under irrigation, and part is not. The Dry Ranch district appears to have sufficient water without irrigation, as in August the soil was quite damp at a depth of from four to six inches from the surface. This, of course, was where the ground had been well cultivated. In all these newly planted-out districts the vines have made an exceedingly good start.

SOILS.

It is a rather difficult matter to make any satisfactory classification of soils in the southern counties. Speaking broadly, all the varieties of soil, except in a very few districts, are derived from the decomposition of granitic rocks, yet the soil in a small area will vary from the lightest sand to stiff adobe. On the other hand, large areas often range only from light to moderately heavy loam, the transition being very gradual.

SITUATION.

There are two districts which deserve special mention on account of their situation, viz: Hesperia, and what for the present may be called Antelope Valley district. These are both valley districts, yet their lowest points are between 2,000 feet and 3,000 feet above sea-level. Hesperia is a compact district, with a deep, rich soil, and a good supply of water. The soil is a red sandy loam derived from the decomposition of granitic rocks. The Antelope Valley district embraces points which are some forty miles apart from each other, Fairmont and Manzanita being on the one side, Big Rock Creek, Myrtle, and Llano being on the other side, and Palmdale lying between. In these places also, the soil is deep and rich, and there is a good water supply in course of development. In each district the climate would seem to be specially adapted for drying fruits. Fogs are unknown, the nights, during the drying season, are warm, and the air is warm and dry.

HEALTH OF VINEYARDS.

Last year a report was sent to the Commission that a vineyard in Escondido had been newly attacked by the vine disease. An investigation was made, and it was found that the vineyard in question was not in the Escondido Valley proper, but in a cañon running down from the valley. A visit was made to the same vineyard this year, and it was found that though there were still a number of vines diseased, the number was not so great as it was last year, nor were the vines so badly affected. Some of the vines appeared to have entirely recovered. On the other hand several fresh cases of attack were found in other districts, but as a rule the disease appears to be much less deadly than it was. In the Cucamonga district also the vines were found to be less affected than they were last year. In this connection it must be remembered

that in San Diego, San Bernardino, and Riverside Counties the vines have never suffered from disease to the extent that they have in some other districts.

The newly set out vineyards in Orange County have made an exceedingly good growth, and in many instances show no signs of disease; yet many other cases could be found where the first signs of disease could be easily seen, though here, as in other districts, the disease appears to have lost much of its former destructive power. But it is still too early to venture upon any statements on this subject.

In some districts there was a considerable amount of discouragement, owing to the low prices ruling for grapes, whether for wine or for raisins. In the El Cajon and Sweetwater Valley districts the growers have succeeded in establishing a reputation for their own district, by united action in packing their crops. The greater number of growers have packed their crops together, and so established a brand for the district, which will be permanent, no matter how much the ownership of the vineyards may change. This arrangement has already brought about good results; in fact, the arrangement worked so well last year that operations will be carried on on a much larger scale this season. It would probably be well for growers in other districts to adopt some such plan of united working as that noticed above, and so not only bring more system into the grading and branding of their crops, but also at the same time secure for themselves better returns for their labor.

ETHELBERT DOWLEN.

The above report is indorsed, and submitted to the Commissioners.

E. C. BICHOWSKY,
Commissioner for the Los Angeles District.

REPORT ON VINEYARDS.

LOS ANGELES

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	1892-3
Alhambra District.						
Bishop, Thos. B., Alhambra. (See Remarks)	35	18	35			
Altadena District.						
San Gabriel Valley Bank, Pasadena	5	5	5			
Antelope District.						
Caryl, B. W., Myrtle	35	35				35
Cochum, Nicholas, Fairmont. (See Remarks)	5	5				5
Scott, Arthur, Fairmont. (See Remarks)	10					10
Sprague, A. R., Fairmont. (See Remarks)	130					130
Tilghman, L. R., Llano	7	2	$\frac{1}{2}$	$\frac{1}{2}$		6
Wiley, A. P., Llano. (See Remarks)	6		1			5
Artesia District.						
	193	42	$1\frac{1}{2}$	$\frac{1}{2}$	191	
Boyle, Jas., Los Angeles	10	10	10			
Campbell, W. A., Artesia	10	7	10			
Carse, Jas., Artesia	16	6	16			
Frampton, Geo., Artesia	20	20	20			
Gillespie, Ed., Artesia	23	10	23			
Leeper, Frank, Artesia	20	20	20			
Livers, Jno., Artesia	3	3	3			
McCarrick, Frank, Artesia	6	6	6			
Purdy, Chas. E., Artesia	$6\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$			
Thompson, O. D., Artesia	9	9	9			
Big Rock Creek, Antelope Valley District.						
	123 $\frac{1}{2}$	97 $\frac{1}{2}$	123 $\frac{1}{2}$			
Carter, J. H., Lancaster. (See Remarks)	36	36	5	2	29	
McCoy, James. (See Remarks)	10	10			10	
Downey District.						
	46	46	5	2	39	
Banks, J. K., estate of, Downey	20	20	20			
O'Connor, P., Downey. (See Remarks)	16	16	16			
Quill, Jas., Downey	20	20	20			
Woodbury, F. J.	30		30			
Glendale District.						
	86	56	86			
Glassell, H., Glendale. (See Remarks)	150	150	150			
La Canada District.						
Hall, T. S., La Cañada. (See Remarks)	10	10	10			
Lanterman, J. F., La Cañada. (See Remarks)	5	5			5	
	15	15	10		5	

Remarks: Thos. B. Bishop—Vineyard in good order; vines in better health last year.

Remarks: Nicholas Cochum—Vines as healthy as others in this district; will their first crop this year.

Remarks: Arthur Scott—Vines all healthy and vigorous.

Remarks: A. R. Sprague—Vineyard in good order; vines all healthy and making strong growth; already showing sufficient crop this year to test the question of suitability of the district for raisin culture. The oldest vines were only fifteen months old at the time of the visit, having been set out in April of 1892. The indication is that raisins may probably be earlier here than in Fresno.

Remarks: A. P. Wiley—The five acres of raisin grapes were planted February, and this year have borne enough grapes to satisfy me that we have a locality here which will produce raisins of a quality very seldom equaled. Contrary to the general opinion the lowlying lands in this valley produce fruits of all kinds of a far superior quality than that grown on the uplands.

Remarks: J. H. Carter—This vineyard, like many others in Antelope Valley, is

COUNTY.

Character of the Soil of the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Loam	Valley	50 tons.
Loam	Upland	13 tons.
Sandy	Lowlying	Not then in bearing.
Decomposed granite	Foothill, mountain valley	Not then in bearing.
Light loam from decomposed granite	Mountain valley	Not then in bearing.
Alluvium	Mountain valley	Not then in bearing.
Rich sandy loam	Lowlying	None.
Sandy loam	Lowlying	None.
Sandy loam	Valley	60 tons grapes.
Sandy loam	Valley	22 tons grapes.
Sandy loam	Valley	30 tons grapes.
Sandy loam	Valley	100 tons grapes.
Sandy loam	Valley	36 tons grapes.
Sandy loam	Valley	90 tons grapes.
Sandy loam	Valley	18 tons grapes.
Sandy loam	Valley	18 tons grapes.
Sandy loam	Valley	35 tons grapes.
Sandy loam	Valley	407 tons grapes.
Decomposed granite	Mountain valley	Crop not gathered last year.
Sandy loam	Level lowlying upland	Crop not gathered last year.
Sandy loam	Valley	70 tons grapes.
Sandy loam	Valley	60 tons grapes.
Sandy loam	Valley	100 tons grapes.
Sandy loam	Valley	230 tons grapes.
Sandy loam	Upland, valley	200 tons.
Decomposed granite and loam	Mountain	10 tons.
Loam	Mountain	10 tons.
		20 tons.

far from a railroad depot to make it profitable to haul grapes at present prices. With good railroad accommodations Antelope Valley would be a good district for raisin growing.

Remarks: James McCoy—There are very few wine grapes in this district; mostly orchards and alfalfa. It is a new district, and until the title to the railroad land is settled it will grow very slowly.

Remarks: P. O'Connor—This vineyard will come out this year if prices do not improve. Remarks: H. Glassell—The vineyard, like many others in the county, has been at times let off in portions, and in some cases the tenant takes poor care of the vines, and the result is a falling off in crop.

Remarks: T. S. Hall—Vines in good, healthy condition. Vineyard situated on slope, at foot of the mountain; La Cañada itself being an elevated valley. The whole district has a southern aspect. Prospects are for a good crop this year. Last year's crop was short, partly from neglect of sulphuring.

Remarks: J. T. Lanterman—Vines in good, healthy condition. Vineyard situated in lower part of the valley. Prospects for this year's crop good.

LOS ANGELES

Name and Address.	Total Acres in Vines.....	Acres in Bear-Ing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Lamanda Park District.						
Bridleback, C. H., Lamanda Park. (See Remarks).....	25	25	25	-----	-----	-----
Brigden, A., Lamanda Park. (See Remarks).....	75	75	75	-----	-----	-----
Butler, —, Lamanda Park.....	6	6	6	-----	-----	-----
Craig, John, Lamanda Park.....	35	35	35	-----	-----	-----
Crank, J. F., Lamanda Park.....	278	275	275	3	-----	3
Etienne, Peter, Lamanda Park. (See Remarks).....	9	9	9	-----	-----	-----
Hastings Estate, Lamanda Park. (See Remarks).....	300	300	270	-----	30	-----
Hughes, J. W., Lamanda Park.....	100	100	100	-----	-----	-----
Kellogg, J. S., Lamanda Park. (See Remarks).....	34	34	22	-----	12	-----
Kinney, Abbot, Lamanda Park. (See Remarks).....	6	6	6	-----	-----	-----
Mountain Wine Co. (See Remarks).....	-----	-----	-----	-----	-----	-----
Estate of Wm. Allen, Lamanda Park.....	220	220	220	-----	-----	-----
Sierra Madre Vintage Co., Lamanda Park. (See Remarks).....	10	5	10	-----	-----	-----
Vosburg, J. C., Lamanda Park. (See Remarks).....	15	15	15	-----	-----	-----
	1,113	1,105	1,068	3	42	3
Los Angeles District.						
Stern, Chas. & Sons, Los Angeles. (See Remarks).....	12	12	12	-----	-----	-----
Wack, Paul, Los Angeles. (See Remarks).....	4	4	and 4	varieties as	expt.	-----
	16	16	12	4 other varieties.	-----	-----
Lordsburg District.						
Keller, Eli W., Lordsburg.....	8	8	8	-----	-----	-----
Manzana, Antelope Valley District.						
Edson, E. W., Manzana, Antelope Valley. (See Remarks).....	40	-----	-----	-----	40	40
Monrovia District.						
Pile, W. E., Monrovia.....	30	30	30	-----	-----	-----
Stevenson Estate, Monrovia.....	25	25	25	-----	-----	-----
	55	55	55	-----	-----	-----
Norwalk District.						
Albrecht, L., Norwalk.....	12	12	12	-----	-----	-----
Andrews, J., Norwalk.....	6	6	6	-----	-----	-----
Buehn, Geo. J., Norwalk.....	30	25	25	-----	-----	5
Heberle, Geo., Norwalk.....	50	50	50	-----	-----	-----
Johnson, D. D., Norwalk.....	52	40	52	-----	-----	12
Montgomery, Jas. A., Norwalk.....	20	20	20	-----	-----	-----
Pendleton, Wm., Norwalk.....	57	57	57	-----	-----	-----
Sievert, F., Norwalk.....	10	8	10	-----	-----	2
Surbeck, W. R., Norwalk.....	18	18	18	-----	-----	-----
	255	236	250	-----	-----	19

Remarks: C. H. Bridleback—Vineyard in good condition.

Remarks: A. Brigden—This vineyard is being slowly taken out, and will probably not exist for more than two or three years more.

Remarks: Peter Etienne—Vineyard in usual good condition.

Remarks: Hastings Estate—Vines in a good, healthy condition. A great many young vines have been set out in place of those killed by the Anaheim disease. All these have escaped disease up to the present, and are growing vigorously. The vineyard has a southern exposure, and is right at the foot of the mountains. Prospects for this year's crop are good.

Remarks: J. S. Kellogg—The raisin grapes are nearly extinct; cause, the Anaheim disease.

Remarks: Abbot Kinney—Vines in good, healthy condition. Vineyard is situated at the foot of the mountains, with a southern exposure. Promise of a good crop this year.

Remarks: Mountain Wine Co.—Vines are all in good, healthy condition. As in other vineyards, vines set out to take the places of those killed by disease in former years are doing well. Vineyard is situated at the foot of the mountains, and has a southern aspect.

Remarks: Sierra Madre Vintage Co.—Vineyard in good order; vines healthy.

Remarks: J. C. Vosburg—Vines in good, healthy condition. Vineyard situated some-

COUNTY—Continued.

Character of the Soil of the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Decomposed granite	Upland	75 tons grapes.
Decomposed granite	Upland	
Loam	Valley	18 tons grapes.
Decomposed granite	Upland	140 tons grapes.
Sandy loam	Upland	525 tons grapes.
Decomposed granite	Upland	38 tons grapes.
Decomposed granite	Mountain	880 tons grapes.
Sandy loam and decomposed granite	Upland	360 tons grapes.
Sandy loam	Upland	60 tons grapes.
Sandy loam and decomposed granite	Mountain	15 tons grapes.
Sandy loam and decomposed granite	Mountain	520 tons grapes.
Sandy loam	Upland	10 tons grapes.
Sandy loam	Mountain	20 tons grapes.
		2,961 tons grapes.
Adobe, river sand, loam	River bottom	Not then bearing.
Light sandy loam	Upland	
Sandy loam	Upland	25 tons grapes.
Light loam from decomposed granite	Mountain valley	Not in bearing.
Heavy loam	Mesa	67 tons grapes.
Heavy loam	Mesa	56 tons grapes.
		123 tons grapes.
Sandy loam	Valley	Not picked last year.
Sandy loam	Valley	18 tons grapes.
Sandy loam	Valley	100 tons grapes.
Sandy loam	Valley	160 tons grapes.
Sandy loam	Valley	130 tons grapes.
Sandy loam	Valley	60 tons grapes.
Sandy loam	Valley	150 tons grapes.
Sandy loam	Valley	60 tons grapes.
Sandy loam	Valley	107 tons grapes.
		785 tons grapes.

what lower down than most in the district, with southern exposure. Promise of a good crop this year.

Remarks: Chas. Stern & Sons—The vineyard is in first-class order. The vines show what can be done by intelligent cultivation and judicious use of fertilizers. The older vines are from one and a half to two years old, and have grown so that the spaces between the vines are entirely covered by a thick mat of canes, which would require cutting away to enable any one to drive between the rows. Notwithstanding this heavy growth, there is on many of the vines a sufficient crop this year to pay for picking. The vines are all in perfect health. The only trouble experienced has been from rabbits eating off the newly set cuttings, and from the river in flood drowning out some of the vines. From these causes there are patches in which the vines are small, having been reset, but many of these have made a growth in a few months equal to that made in two years in some districts.

Remarks: Paul Wack—Opened up depot and office at 1955-59 Wyoming Street, St. Louis, Mo. Cellar, natural cave, 40 feet by 250 feet, 42 feet below; temperature, 57 degrees Fahrenheit all year round. Stock of wine on hand, 25,000 gallons; cooperage, oak, 20,000 gallons; redwood, 40,000 gallons.

Remarks: E. W. Edson—Vines all healthy and vigorous.

LOS ANGELES

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Palmdale, Antelope Valley District.						
Jones, W., Palmdale. (See Remarks)	5	5			5	
Wood, W., Palmdale. (See Remarks)	2				2	
Pomona District.						
Androus, S. N., Pomona. (See Remarks)	10	10	10			
Hillman, Isaac, Pomona. (See Remarks)	3	3	3			
Martin, P. S., Pomona. (See Remarks)	6		6			
Mirande, G., Pomona. (See Remarks)	37	37	37			
Pomona Land & Water Co., Pomona. (See Remarks)	7	7	7			
Pruett, Mrs., Pine Bluff, Ky. (See Remarks)	4	4			4	
Riley, Patrick, Pomona	10	10	10			
Sandoz, Henry, Pomona. (See Remarks)	12	12	6	5	1	
Smith, F. J., Pomona	65	65	65			
Vejar, R., Pomona. (See Remarks)	12	12	12			
Ramona District.						
	166	160	156	5	5	
San Gabriel Wine Co., San Gabriel. (See Remarks)	320	300	320			20
Roscoe District.						
Dillion, Kenealy & McClure, Ramona	200	200	200			
San Gabriel District.						
Baldwin, E. J., Arcadia	300	300	300			
Coney, Alex., San Francisco. (See Remarks)	10	10	10			
Cooper, Mrs. M. C., San Gabriel. (See Remarks)	17	17	17			
Hannon, J. C., Savannah	20	20	20			
Markham, H. H., Pasadena. (See Remarks)	100	100	100			
Mayberry, E. L., Alhambra	75	75	75			
Raymond Improvement Co., Pasadena	55	55	55			
Rose, L. J. Co. (Lmt'd), San Gabriel. (See Remarks)	640	640	640			
Rudel, Jacob, San Gabriel	70	60	70			5
Stevenson Estate, San Gabriel	30	30	30			
Snody, Wm., Savannah	30	30	30			
Santa Fe Springs District.						
	1,347	1,337	1,347			5
Baker, J. S.	30	15	30			15
Bland, Samuel, Santa Fe Springs	7	7	7			
Harvey, Thos., Santa Fe Springs	14	14	14			
McKeel, Wm.	20	20	20			
Potts, Mrs. S. E., Santa Fe Springs	18	18		18		
	89	74	71	18		15

Remarks: W. Jones—Vines in good condition; had their first light crop this year.

Remarks: W. Wood—Vines in good condition; had a light crop this year.

Remarks: S. N. Androus—Vineyard in good condition; vines very vigorous.

Remarks: Isaac Hillman—Vines in good condition; little mildew on them, but not enough to injure the grapes.

Remarks: P. S. Martin—Vineyard owned by non-resident, Miss E. N. Fowler. Vine disease has been in this vineyard for several years; have taken out vines and set out trees with intention of pulling up the vineyard as soon as the orchard comes into bearing.

Remarks: G. Mirande—Vineyard in very good condition. The owner has made an intelligent fight against the Anaheim disease; by constant care, and by setting out good vines whenever one was lost from disease, has managed to keep the vineyard generally in a healthy condition.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Decomposed granite.....	Mountain valley.....	Not then in bearing.
Decomposed granite.....	Mountain valley.....	Not then in bearing.
Black alluvium.....	Valley.....	80 tons.
Damp, rich.....	Lowlying.....	15 tons.
Sandy loam.....	Lowlying.....	13½ tons.
Sandy loam.....	Valley.....	120 tons.
Gravelly loam.....	Upland.....	
Light sandy loam.....	Valley.....	10 tons.
Sandy.....	Lowlying.....	18 tons.
Sandy loam.....	Upland.....	30 tons.
Sandy loam.....	Upland.....	400 tons.
Black alluvium.....	Valley.....	60 tons.
		746½ tons.
Loam, ranging from light to heavy....	Valley.....	300 tons grapes.
Sandy loam.....	Upland.....	1,200 tons grapes.
Decomposed granite.....	Upland.....	
Loam.....	Upland.....	55 tons grapes.
Gravel.....	Valley.....	50 tons grapes.
Loam.....	Valley.....	50 tons grapes.
Sandy loam.....	Valley.....	160 tons grapes.
Sandy loam.....	Valley.....	100 tons grapes.
Loam.....	Valley.....	75 tons grapes.
Light loam.....	Lowlying.....	800 tons grapes.
Loam, rather light.....	Valley.....	200 tons grapes.
Loam.....	Valley.....	80 tons grapes.
Loam.....	Valley.....	100 tons grapes.
		1,670 tons grapes.
Red adobe.....	Mesa.....	98 tons grapes.
Loam.....	Valley.....	22 tons grapes.
Red adobe.....	Mesa.....	40 tons grapes.
Red adobe.....	Mesa.....	30 tons grapes.
Loam.....	Mesa.....	25 tons grapes.
		215 tons grapes.

Remarks: Pomona Land and Water Co.—Rented vineyard to parties who made and used their own wine; no account was kept.

Remarks: Mrs. Pruett—Vines in good condition.

Remarks: Henry Sandoz—Stock of wine on hand, 100 gallons; cooperage, oak, 2,000 gallons; redwood, 1,000 gallons.

Remarks: R. Vejar—Vineyard in good condition; vines healthy.

Remarks: San Gabriel Wine Company—Vineyard in good order; vines in much better condition than for some time past. The plantings of last season doing remarkably well.

Remarks: Alex. Cooper—Stock of wine on hand, 400 gallons.

Remarks: Mrs. M. C. Cooper—Vineyard in good condition; vines healthy; crop larger than last year.

Remarks: H. H. Markham—Vineyard not well looked after.

Remarks: L. J. Rose Co.—Stock of wine on hand, 100,000 gallons; cooperage, oak, 250,000 gallons; redwood, 350,000 gallons.

LOS ANGELES

Name and Address.	Total Acres in Vine	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Sierra Madre District.						
Carter, N. C., Sierra Madre. (See Remarks)	20	20	20			
Fales, W. L., Sierra Madre. (See Remarks)	5	5	5			
Hovey, S. F., Sierra Madre. (See Remarks)	50	50	50			
Reed, P. T., Sierra Madre. (See Remarks)	7	7	7			
	82	82	82			
Tropico District.						
Devine, H., Tropico. (See Remarks)	25	17	25			8
Mitchell, H. M. (estate of), Tropico. (See Remarks)	25	25	25			
Niemeyer, H. (estate of), Tropico. (See Remarks)	42	42	32½	9½		
	92	84	82½	9½		8

ORANGE

Anaheim District.						
Bogee, T. J. F., Anaheim	5		5			
Lembke, John, Anaheim	30	15	30			15
Rust, C. O., Anaheim	3	3	3			
Schwinekert, Mrs. Louise. (See Remarks)	4	4	2		2	
Staub, A., Fullerton	3	3	3			
Wehmeyer, Emily. (See Remarks)	4	4	4			
	49	29	47		2	15
El Toro District.						
Cooke, Victor & Gardner (Datten Bros. tenants), El Toro	22	22	10	12		
Fullerton District.						
Bailey, C., Fullerton	50	50	16		34	
Betts, Geo., Fullerton	6	6	6			
Deyse, C. P., Fullerton	7	7			7	
Edwardson, Sam, Fullerton	10	10	10			
Hanson, P.	10	10	10			
	83	83	42		41	
McPherson District.						
Dr. Furnas (estate of), McPherson	6	6			6	
Manley, M., McPherson	3				3	
McPherson, W. G., McPherson	19	14			19	
Sanders, A. J., McPherson	12	5			12	7
Snyder, L., McPherson	5	5			5	
Van Doren, W., McPherson	10				10	
Walsh Bros., McPherson	3				3	3
	58	24			58	10
Orange District.						
Adams, J. B., Orange	1				1	
Alward, Aaron, Orange	3				3	
Bach, Andrew, Orange	1				1	
Baker, D., Orange	2	2				
Bennett, Geo. W., Orange	20	10			20	10
Blasdale, Wm., Berkeley, San Francisco. (A. F. Vonneidd, Orange, in charge)	8	8			8	

Remarks: W. C. Carter—Vineyard in good condition.

Remarks: W. L. Fales—Vineyard in fair condition; crop light last year.

Remarks: S. F. Hovey—Vineyard in fair condition.

Remarks: P. T. Reed—Vineyard in good condition.

Remarks: H. Devine—This vineyard is in better condition than when last seen. The vines are strong and healthy, and those planted this year are doing well.

Remarks: H. M. Mitchell (estate of)—Vineyard in good order, and vines fairly healthy.

COUNTY—Continued.

Character of the Soil of the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Decomposed granite	Upland	40 tons.
Decomposed granite	Upland	10 tons.
Decomposed granite and light loam	Upland	120 tons.
Decomposed granite	Upland	20 tons.
Sandy loam, somewhat lighter than usual	Upland valley	190 tons.
Loam	Upland valley	30 tons.
.....	.....	75 tons.
.....	.....	35 tons.
.....	.....	140 tons.

COUNTY.

Sandy loam	Valley	Not then in bearing.
Heavy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy	Upland	Don't know.
Sandy loam	Valley	17 tons grapes.
Sandy	Upland .....	.....
.....	.....	17 tons grapes.
Loam, from light to heavy	Lowlying	56 tons grapes.
Heavy loam	Mesa	No acc't obtainable.
Red clay	Mesa	15 tons grapes.
Black loam	Mesa	20 tons grapes.
Black loam	Upland	20 tons grapes.
Black loam	Valley	Not then in bearing.
.....	.....	55 tons grapes.
Gravel	Mesa	Not in bearing.
Gravel	Mesa	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Gravel	Mesa	Not then in bearing.
Gravel	Mesa	Not then in bearing.
Gravel	Mesa	Not in bearing.
Loam	Valley	Not then in bearing.
Gravel	Mesa	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Gravel	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam and gravel	Valley	Not then in bearing.

Remarks: H. Niemeyer (estate of)—Vines all healthy; many not in full bearing.
 Remarks: Mrs. Louise Schweinekert—Will sell grapes; going out of wine business.
 Stock of wine on hand, 1,500 gallons; cooperage, oak, 500 gallons; redwood, 7,000 gallons.
 Remarks: Emily Wehmeyer—Won't make wine this season, nor any hereafter; will sell grapes. Stock of wine on hand, 500 gallons Angelica, 1,000 gallons white wine; cooperage, oak, 500 gallons; redwood, 7,000 gallons.

ORANGE

Name and Address.	Total Acres in Vines	Acres in Bear-ing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Pal-atin Grapes	Acres Planted in Season of 1892-3
Orange District—Continued.						
Bueheim, Frank, Santa Ana	11½				11½	
Campbell, C. E., Orange	4	4			4	
Canpeld, C. H., Orange	3				3	
Carlson, Chas., Orange	5				5	
Clark, J. G., Orange	6				6	
Clayton, W. H., Orange	7				7	
Craddick, S. M., Orange	4½				4½	
Fransen, H., Orange	5	5			5	
Gathman, Jno., Orange	3	2			3	1
Gohlke, Wm., Orange	5				5	
Handy, O., Orange	10				10	
Harter, Chas., Orange	8	8			8	
Hellman, I. C. (O. Handy, Mgr.), Orange	60	50			60	10
Hemenora, A., Orange	6	6			6	
Hochemeyer, H., Orange	5	5			5	
Kruger, Emil, Orange	6				6	
Leach, Carl, Orange	2½	½			½	
Leba, Chas., Orange	2	2			2	
Lehman, Chas., Orange	1	1			1	
McKnight, L. C., Orange	23	6			23	
Pitman, W. H., Orange	3½				3½	
Schadel, T. M., Orange	3				3	
Smith, J. M., Orange	6				6	
Tustin District.						
	223	109½			223	21
Allen, W. S., Los Angeles	19				19	
Barrett, Mrs.	19	19			19	
Blodgett, V. E.	4	4			4	
Bostelman, Mrs. M., Chino	5	5			5	
Crew, Jas., Tustin	5	5			5	
Finley, A. G., Santa Ana	6				6	6
Finley, A. R., El Modena	5				5	5
Fransen, A., El Modena	2½	2½			2½	
Hewes, D., McPherson	50	50			50	
McPadden, A., Santa Ana	16				16	16
McHenry, D. S., El Modena	10	10			10	
Scarrib, J. A., Orange	5				5	
Sitton, M., McPherson	10				10	
Walker, Thos., McPherson	10				10	
	166½	95½			166½	27

RIVERSIDE

Dry Ranch District.						
Baker & Hamilton, San Francisco	15				15	
Galwas, —	5	5			5	
Garner, R. T., Rochester	7	4			7	3
Herring, J., Rochester	20	20			20	
Horswill, A., Rochester	12	12			12	
Hunt, C. H., Boston	20				20	
Johnson, M. L., Rochester	25	6		2	23	19
Outram, E. P., Oakland, Cal.	10				10	
Priester, Adam, Rochester	15	6			15	
Reid, J., Boston	20				20	
Reid, Anna K., Rochester	60				60	
Stalder, A. J., Rochester	40	40			40	
Tucker, W. W., Oakland	10				10	
West Coal Development Co., Rochester	200				200	
Wilhardt, Adam, Rochester	20	15			20	
	479	108		2	477	22

RIVERSIDE

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Perris District.						
Nunce, J. W. (See Remarks)	5	5			5	Planted 1890
Whiting Bros., Perris. (See Remarks)	25				25	10
Rincon District.						
Newberry, J., Riverside. (See Remarks)	30	5			30	10
Riverside District.						
Benson, Ralph, Riverside	5	5			5	
Bixler, M. F., Riverside	20	20			20	
Boyd, James, Riverside	10	10			10	
Button, Rev., Riverside	2	2			2	
Button, Fred., Riverside	10	10			10	
Call, Miss, Riverside	10	10			10	
Chelson, A., Riverside	8	8			8	
Clarke, John, Riverside	3	3			3	
Coffin, Mrs., Riverside	10	10			10	
Culpepper, S. W., Riverside	6	6			6	
Cuttle Bros., Riverside	14	14			14	
Dickey, J., Riverside	1	1			1	
Dunbar, J., Riverside	7	7			7	
Duncan, George, Riverside	5	5			5	
Elliott, W., Riverside	10	10			10	
Evans, S. C., Riverside	45	45			45	
Field, Fred., Riverside	2½	2½			2½	
Ford, Oscar, Riverside	10	10			10	
Gill, Dr. C. J., Riverside	10	10			10	
Gilliland, Miss, Riverside	10	10			10	
Grant, Alec., Riverside	6	6			6	
Hall, F. J., Riverside	21	21			21	
Hall, Priestly, Riverside	5	5			5	
Hawthorne, A. C. E., Riverside	10	10			10	
Hewitt, J. J., Riverside	18	18			18	
Higgins, William, West Riverside	10	10			10	
House, Judson, Riverside	13	13			13	
Huberty, John, Riverside	5	5			5	
Hughes, F. E., Riverside	3	3			3	
Jansen, José, West Riverside	30	30			30	
Jarvis, Dr. J., Riverside	15	15			15	
Jenkins, Miss, Riverside	8	8			8	
Kern, Messrs. L. & P., Riverside	10	10			10	
Leach, Miss, Riverside	10	10			10	
Lowe, Charles, Riverside	10	10			10	
Maddock, C., Riverside	20	20			20	
McCoy, Sam, West Riverside	20	20			20	
McFarland, John, Riverside	7	7			7	
McNab, Mrs., Riverside	13	13			13	
Meacham, R. W.	2	2			2	
Miller, George, Riverside	4	4			4	
Monroe, Mrs. R. M., Riverside	8	8			8	
Newman, G. O., Riverside	7½	7½			7½	
North, Mrs., Riverside	5	5			5	
Parkes, Judge, West Riverside	5	5			5	
Richards, John S., Riverside	2	2			2	
Rockhill, A. R., Riverside	14	14			14	
Schell, S. D., Riverside	27	27			27	
Senior, G. R., Riverside	10	10			10	
Smith, Ben., Riverside	10	10			10	
Streeter, Hon. H. N., Riverside	18	18			18	
Strong, D. S., Riverside	4	4			4	
Thomas, George, Riverside	10	10			10	

Remarks: J. W. Nunce—There are many young vineyards here just coming in. My attention I am giving to the prune, peach, and almond.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Granite	Upland	Light; 1893 good.
Decomposed granite	Upland	
Sandy loam	Valley	$\frac{1}{2}$ ton grapes.
Loam	Bottom land	5 tons raisins.
Loam	Mesa	20 tons raisins.
Sandy loam	Mesa	9 tons raisins.
Adobe	Mesa	2 tons raisins.
Sandy loam	Mesa	8 tons raisins.
Sandy loam	Mesa	8 $\frac{1}{2}$ tons raisins.
Loam	Mesa	7 tons raisins.
Sandy loam	Valley	3 tons raisins.
Sandy loam	Upland	9 tons raisins.
Sandy loam	Mesa	6 tons raisins.
Loam	Mesa	14 tons raisins.
Sandy loam	Mesa	1 ton raisins.
Loam	Mesa	7 tons raisins.
Sandy loam	Mesa	5 tons raisins.
Sandy loam	Mesa	9 tons raisins.
Sandy loam	Upland	39 tons raisins.
Sandy loam	Valley	4 tons raisins.
Loam	Mesa	10 tons raisins.
Sandy loam	Mesa	9 tons raisins.
Loam	Mesa	10 tons raisins.
Sandy loam	Mesa	5 tons raisins.
Gravel and adobe	Mesa	20 tons raisins.
Sandy loam	Valley	6 tons raisins.
Sandy loam	Mesa	8 tons raisins.
Adobe	Mesa	18 tons raisins.
Sandy loam	Mesa	10 tons raisins.
Loam	Valley	12 tons raisins.
Adobe	Mesa	5 tons raisins.
Sandy loam	Upland	3 tons raisins.
Sandy loam	Mesa	25 tons raisins.
Heavy loam	Upland	30 tons raisins.
Sandy loam	Mesa	6 tons raisins.
Loam	Mesa	5 tons raisins.
Sandy loam	Mesa	8 tons raisins.
Loam	Mesa	10 tons raisins.
Sandy loam	Mesa	16 tons raisins.
Sandy loam	Mesa	20 tons raisins.
Sandy loam	Mesa	7 tons raisins.
Sandy loam	Mesa	12 tons raisins.
Sandy loam	Valley	2 tons raisins.
Loam	Mesa	4 tons raisins.
Loam	Mesa	7 $\frac{1}{2}$ tons raisins.
Sandy loam	Valley	9 tons raisins.
Loam	Mesa	4 tons raisins.
Sandy loam	Mesa	5 tons raisins.
Sandy loam	Valley	2 tons raisins.
Loam	Upland valley	15 tons raisins.
Sandy loam	Mesa	25 tons raisins.
Sandy loam	Mesa	9 tons raisins.
Sandy loam	Mesa	10 tons raisins.
Adobe	Mesa	18 tons raisins.
Sandy loam	Mesa	4 tons raisins.
Loam	Mesa	9 tons raisins.

Remarks: Whiting Bros.—I will simply remark that I think, unless our vine industry is protected more strongly, it will be ruined—it is about down to bedrock now.

Remarks: J. Newberry—This vineyard has been badly treated by tenant.

RIVERSIDE

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Riverside District—Continued.						
Thorn, R. J., Riverside	7	7			7	
Two good, A. J. & D. C., Riverside	5	5			5	
Waring, L. G., Riverside	2	2			2	
Watter, Mr. (estate of), Riverside	4	4			4	
West, W. E., Riverside	7	7			7	
Wilbur, J., Riverside	5	5			5	
Wilbur, J. A., East Riverside	8	8			8	
Wilder, D. O., Riverside	10	10			10	
Wright, Mrs. M. D., Riverside	4	4			4	
	621	621			621	
South Riverside District.						
Brown, A. H., South Riverside	8	5			8	3
Craw, G. A., South Riverside	1½	1½			1½	
Foster, H. C., South Riverside	3	3			3	
Grow, W. D., South Riverside	5	5			5	
Herkelrath, John, South Riverside	1	1	1			
Jameson, W. H., South Riverside	5	5			5	
Kelly, A. P., South Riverside	4	4			4	
Ralph, O. D., South Riverside	1½	1½			1½	
South Riverside Land Co., South Riverside	22	22	22			
	51	48	23		28	3
Yorba District.						
Bayha, G., Yorba	25	25	25			
Bodan, Frank, Yorba	20	20	20			
Stodeggar, Geo., Yorba	15	15	15			
Yorba, David, Yorba	100	100	100			
	160	160	160			

SAN BERNARDINO

Banning District.						
Banning Water Co., Banning	60	60	60			
Beaumont District.						
Beaumont Water Co., Beaumont	35	35	35			
Highland Home (G. Stock, owner, Chicago)	40	40	40			
Millan, Thomas, Beaumont	12	12	12			
	87	87	87			
Bloomington District.						
Ahlf, J. C., Bloomington	5	5			5	
Barrington, E., Bloomington	5	5			5	
Bohannan, C. H., Bloomington	6	6			6	
Bostwick, John, Bloomington	7	7			7	
Boswell, E., Bloomington	5	5			5	
Butler, D., Bloomington	8	8			8	
Choate, W. A., Bloomington	20	20			20	
Craig, J. W., Bloomington	15	15			15	
Cuthbert, W., Bloomington	10	10			10	
Dyer, Fred., Bloomington	4	4			4	
Easton, W. H. H., Bloomington	5	5			5	
Fowler, —, Bloomington	10	10			10	
Fowler, A. B., Bloomington	18	18			18	
Glendenning, Wm., Bloomington	10	10			10	
Hayar, Robert, Bloomington	4	4			4	
Hopkins, Price, Bloomington	5	5			5	
Ingram, Dr. John, Bloomington	4	4			4	
Keller, George, Bloomington	3	3			3	
Kercheval, L. N., Bloomington	5	5			5	

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Sandy loam.....	Mesa.....	7 tons raisins.
Sandy loam.....	Mesa.....	5½ tons raisins.
Sandy loam.....	Mesa.....	2 tons raisins.
Loam.....	Upland valley.....	4 tons raisins.
Sandy loam.....	Mesa.....	6 tons raisins.
Sandy loam.....	Mesa.....	4 tons raisins.
Sandy loam.....	Mesa.....	6 tons raisins.
Loam.....	Mesa.....	10 tons raisins.
Sandy loam.....	Mesa.....	4 tons raisins.
		377½ tons raisins.
Heavy gravel.....	Bottom land.....	Not then in bearing.
Adobe.....	Bottom land.....	7 tons grapes.
Heavy gravel.....	Bottom land.....	Not then in bearing.
Light adobe.....	Mesa.....	Not then in bearing.
Heavy gravel.....	Bottom land.....	4 tons grapes.
Gravel.....	Mesa.....	Not then in bearing.
Gravel and loam.....	Mesa.....	Not then in bearing.
Gravel.....	Bottom land.....	No account taken.
Gravel and loam.....	Bottom land.....	80 tons grapes.
		91 tons grapes.
Sandy loam.....	Valley.....	Not then in bearing.
Sandy loam.....	Valley.....	Not then in bearing.
Sandy loam.....	Valley.....	Not then in bearing.
Sandy loam.....	Valley.....	50 tons grapes.
		50 tons grapes.

COUNTY.

Heavy loam.....	Upland valley.....	360 tons grapes.
Heavy loam.....	Upland valley.....	70 tons grapes.
Heavy loam.....	Upland valley.....	80 tons grapes.
Heavy loam.....	Upland valley.....	50 tons grapes.
		200 tons grapes.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.
Sandy loam.....	Upland valley.....	Not then in bearing.

SAN BERNARDINO

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Bloomington District—Continued.						
Keese, H., Bloomington	5	5			5	
Langotaff, —, Bloomington	8	8			8	
Leonard, O. C., Bloomington	10	10			10	
Litta, A., Bloomington	10	10			10	
Lynn, W. S., Bloomington	10	10			10	
Mack, James E., Bloomington	20	20			20	
McKinley, Wm., Bloomington	10	10			10	
Metcalf, J. W., Bloomington	8	8			8	
Norton, W. A., Bloomington	10	10			10	
Robinson, D., Bloomington	4	4			4	
Rous, J. C., Bloomington	4	4			4	
Sauers, John, Bloomington	5	5			5	
Smith, E. R., Bloomington	6	6			6	
Snodgrass, Leicester, Bloomington	5	5			5	
Soddy, —, Bloomington	10	10			10	
Spencer, Wm., Bloomington	10	10			10	
Tibbott, C. E., Bloomington	6	6			6	
Torrey, Mrs. J. F., Bloomington	4	4			4	
Wheeler, Scott, Bloomington	10	10			10	
Zimmerman, V., Bloomington	10	10			10	
Cotton District.	214	214	214		214	
Bean, Chas., Cotton	5	5	5			
Rapp, M., Cotton	15	15	15			
Stockman, Rev. J. P., Cotton	40	40			40	
Cucamonga District.	60	60	20		40	
Belden, W. C., Cucamonga	2	2			2	
Brown, C. T., Cucamonga	10	10			10	
Brumund, John F., Cucamonga	4			2	2	2
Carlson, H. A., Cucamonga	16	16			16	
Cocke, H. J., Cucamonga	16	16			16	
Cucamonga Wine Co., Cucamonga	340	340	340			
Cunning, S., Cucamonga	3	3	3			
Dunham, W. H., Cucamonga	5	5	5			
Haag, F. W., Cucamonga. (See Remarks)	7				7	
Hazeltine, H. S., Cucamonga	10	10			10	
Haven, Geo. D., Cucamonga	320	150	245		75	
Henderson, E. F., Cucamonga	26	26		1	25	
Jarvis, Howard S., Newark, Alameda County	27	7	2		25	6
Kincaid, W. J., Cucamonga	10	10			10	
Lawrence, H. W., Cucamonga. (See Remarks)	20	20			20	
Lilly, W. A., Cucamonga	6	6			6	
Lord, I. W., Cucamonga	4	4			4	
Madise, John, Cucamonga	7	7	2		5	
Manchester, C. D., Cucamonga. (See Remarks)	2	1½			2	
Milliken, D. B., Cucamonga	220	130	140		80	
Orchard, Wm., North Cucamonga	33	33	3		30	
Patton, S. S., Riverside	20	20			20	
Ray, Wm. A., Cucamonga. (See Remarks)	8	5	5		3	3
Rundle, Geo. G., Cucamonga	6	6				
Smith, Lewis, Cucamonga. (See Remarks)	20	20			20	

Remarks: F. W. Haag—My vineyard was planted in 1891; about two acres of Muscat and five of Sultanas. This spring I noticed three vines among the Sultanas that did not start out, and at present I have twenty-five or more that don't look healthy; the leaves look yellow, and the fruit is drying up. It looks to me very much like the Anaheim disease.

Remarks: H. W. Lawrence—I have a small crop of grapes this season, although the vines are only three years from cuttings. There is not a diseased vine in my vineyard that I know of.

Remarks: C. D. Manchester—Two years ago this vineyard showed a considerable

SAN BERNARDINO

Name and Address.	Total Acres in Vines.....	Acres in Bearing.....	Acres in Vine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Cucamonga District—Continued.						
Smith, F. G., Cucamonga.....	18	18			18	
Smith, John, Cucamonga.....	5	5	5			
Sontag, H., Cucamonga.....	10	9½	8	1	1	
Southworth, Dr., Cucamonga.....	12	7			12	
Sowerwine, C., Cucamonga.....	3	3			3	
Stevens, D. W., Cucamonga.....	40	25			40	
Stinchfield, A., Cucamonga.....	5	5			5	
Van Alstyne, Cucamonga.....	25	5			25	
Van Fleet, F. B., Cucamonga.....	10	10	10			
Wade, C. J., Cucamonga. (See Remarks).....	5	5			5	
	1,275	940	768	4	503	11
Dry Ranch District.						
Barclay, Charles A., Dry Ranch.....	10				10	10
Bemis, J. H., Ontario Post Office.....	4	4			4	
Collins, G. A., Dry Ranch.....	42	30			42	
Collins, Frank, South Cucamonga.....	5	5			5	
Denison, J. S., Ontario Post Office.....	10	10			10	
Edison, Frank.....	7				7	
Galloway, A. T., Rochester.....	18	18			18	
Hamilton, A. T., Dry Ranch.....	18	18			18	
Ingram, G. W.....	14	3			14	
Monk, Thomas, Dry Ranch.....	15	15			15	
Patton, A. G., Rochester.....	2				2	
Roach, J. J., Dry Ranch.....	4	4		1	3	
Stewart, James, Dry Ranch.....	18	9			18	
Van Wig, Martin, Dry Ranch.....	7	4			7	
Webster, Hugh, Dry Ranch.....	9	2			9	
West Coast Development Co., Rochester.....	80	80			80	
	263	202		1	262	10
East Highland District.						
Pierce, J. F., Highland.....	9	9			9	
Etiwanda District.						
Alexander, J., Etiwanda.....	6	6			6	
Barthelot, F. L., Etiwanda.....	9	5			9	
Bustleman, Henry, Etiwanda.....	10	10			10	
Chaffey, C., Etiwanda.....	6	6			6	
Coffun, A., Etiwanda.....	5	5			5	
Donelly, Mrs., Etiwanda.....	12	12			12	
Dugdale, H. W., Etiwanda.....	7	7			7	
Foze, A. H., Etiwanda.....	12	12			12	
Foster, F., Etiwanda.....	5	5			5	
Foster, Charles, Etiwanda.....	15				15	
Frost, George, Etiwanda.....	20	20			20	
Gilbert, W. H., Etiwanda.....	8	8			8	
Gildersleeve, J.....	15	15			15	
Gurley, H. B., Etiwanda.....	25	25			25	
Haslett, Dr., Etiwanda.....	12	12			12	
Hattersley, —, Etiwanda.....	45	45			45	
Hippard, S., Etiwanda.....	20	20			20	
Humphries, H. C., Etiwanda.....	10	10			10	
Johnson, G. H., Etiwanda.....	20	20			20	
Kemp, S. C., Etiwanda.....	13	13			13	
Kumler, A., Etiwanda.....	35	35			35	

Remarks: C. J. Wade—Some disease in vineyard; lose from twelve to twenty vines per annum. Crop runs from four and a half to six tons per annum. Vines now nine years old. Price of product satisfactory.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Loam	Upland	25 tons raisins.
Loam	Upland	15 tons grapes.
Gravelly and loamy	Upland	3 tons raisins.
Loam	Upland	8 tons raisins.
Loam	Upland	5 tons raisins.
Loam	Upland	60 tons grapes.
Loam	Upland	No account taken.
Loam	Upland	Not in bearing.
Loam	Upland	35 tons grapes.
Gravelly loam	Foothills	5½ tons raisins.
		175 tons raisins.
		2,113 tons grapes.
Light sandy loam	Upland valley	
Sandy loam	Upland valley	Not in bearing.
Decomposed granite	Upland valley	12½ tons raisins.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Light sandy loam	Upland valley	Not then in bearing.
Decomposed granite		1 ton raisins; not properly in bearing.
Sandy loam	Upland valley	30 tons grapes.
Light sandy loam	Upland valley	Not then in bearing.
Light sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Light sandy loam	Upland valley	Not then in bearing.
Sandy loam	Upland valley	Not then in bearing.
Sandy loam	Upland valley	Not then in bearing.
Sandy loam	Upland valley	Not then in bearing.
		13½ tons raisins.
		30 tons grapes.
Sandy loam	Upland valley	8 tons raisins.
Light sandy loam	Upland	3 tons raisins.
Loam	Upland	2 tons raisins.
Loam	Upland	4 tons raisins.
Loam	Upland	5 tons raisins.
Loam	Upland	3 tons raisins.
Loam	Upland	12 tons raisins.
Loam	Upland	7 tons raisins.
Loam	Upland	16 tons raisins.
Loam	Upland	5 tons raisins.
Loam	Upland	Not then in bearing.
Loam	Upland	12 tons raisins.
Sandy loam	Upland	5 tons raisins.
Sandy loam	Upland	14 tons raisins.
Loam	Upland	20 tons raisins.
Sandy loam	Upland	6 tons raisins.
Loam	Upland	20 tons raisins.
Loam	Upland	12 tons raisins.
Loam	Upland	7 tons raisins.
Loam, light	Upland	6 tons raisins.
Sandy loam	Upland	10 tons raisins; 25 tons green grapes, mostly 2d crop.
Sandy loam	Upland	35 tons raisins.

SAN BERNARDINO

Name and Address.	Total Acres in Vines.....	Acres in Bearing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Etiwanda District—Continued.						
Langham, Charles, Etiwanda.....	5	5			5	
Layton, E. E., Etiwanda.....	7	7			7	
Liesece, W., Etiwanda.....	2	2			2	
Leslie, J. F., Etiwanda.....	15	15			15	
Linville, H. H., Etiwanda.....	15	15			15	
Lone, W. K., Etiwanda.....	20	20			20	
Louthian, R. L., Etiwanda.....	65	65			65	
McBain, W., Etiwanda.....	16	16			16	
McCall, —, Etiwanda.....	10	10			10	
Miller, Fred, Etiwanda.....	8	8			8	
Muller, E., Etiwanda.....	8	8			8	
Neunberger, Theo., Etiwanda.....	9				9	9
Niederman, W. H., Etiwanda.....	15	15			15	
Norton, D. L., Etiwanda.....	7	7			7	
Olney, C., Etiwanda.....	10	10			10	
Perrine, C. O., Etiwanda.....	40	40			40	
Ross, C. N., Etiwanda.....	35	35			35	
Saymour, E. C., Etiwanda.....	34	34			34	
Scott, J. H., Etiwanda.....	31½	31½			31½	
Simms Bros., Etiwanda.....	16	16			16	
Steiner, A., Etiwanda.....	20	20			20	
Stegmyer, Mrs., Etiwanda.....	15	15			15	
Taylor, M. N., Etiwanda.....	15	15			15	
Tregear, J., Etiwanda.....	15	15			15	
Wilkinson, C. F., Etiwanda.....	4	4			4	
Wilson, H., Etiwanda. (See Remarks).....	14	14			14	
Winstanley, F., Etiwanda.....	35	35			35	
Banbury, T., Pasadena.....	110	50			110	5
	906½	818½			906½	14
Grapeland District.						
Adams, B., Grapeland.....	60	60			60	
Barns, Mrs., Grapeland.....	60	60	50		20	
Crilly, McKee, Grapeland.....	20	14			10	6
Gebhardt, S. W., Grapeland.....	15				15	
Gebhardt, J. D., Grapeland.....	17	17			17	
Martin, A., Grapeland.....	16	13			16	
Mindell, J. W., Grapeland.....	7½				7½	
Myers, E. F., Grapeland.....	12	12			12	
Perdew, A. G., Grapeland.....	5	5	5			
Perdew, G. F. R. D., Grapeland.....	13	10			13	
Scott, J. A., Grapeland.....	40	25			40	
	265½	221	55		210½	6
Hesperia District.						
Dolch, Ed., Hesperia.....	10				10	10
Fleming, Mrs. M., Hesperia. (See Remarks).....	54	54			54	
Furstenfeld, M., Hesperia. (See Remarks).....	44	44			44	
Garvos, S., Hesperia.....	50				50	50
Hall, Wm., Hesperia. (See Remarks).....	5	5			5	
McDonald, J. S., Hesperia. (See Remarks).....	20	20			20	
Meyers, Sweetland & Pinney, Hesperia. (See Remarks).....	13	13			13	
Shaw, Mrs. F. E., Hesperia. (See Remarks).....	45	45			45	
Sifton, J. W., Hesperia.....	10	10			10	
Widney, R. M., Los Angeles.....	20	20			20	
	271	211			271	60

Remarks: H. Wilson—This is a young vineyard, only in its second year, which accounts for the small crop.

Remarks: Mrs. M. Fleming—Only just in bearing this year.

Remarks: M. Furstenfeld—Only just in bearing this year.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Loam	Upland	3 tons raisins.
Loam	Upland	Not taken.
Loam	Upland	2 tons raisins.
Loam	Upland	15 tons raisins.
Loam	Upland	12 tons raisins.
Sandy loam	Upland	8 tons raisins.
Loam	Upland	55 tons raisins.
Loam	Upland	12 tons raisins.
Loam	Upland	7 tons raisins.
Loam	Upland	5 tons raisins.
Loam	Upland	4 tons raisins.
Loam	Upland	18 tons raisins.
Loam	Upland	8 tons raisins.
Sandy loam	Upland	5 tons raisins.
Loam	Upland	15 tons raisins.
Loam	Upland	40 tons raisins.
Loam	Upland	12 tons raisins.
Loam	Upland	20½ tons raisins.
Loam	Upland	20 tons raisins.
Sandy loam, light	Upland	6 tons raisins.
Loam	Upland	Not then in bearing.
Loam	Upland	8 tons raisins.
Loam	Upland	12 tons raisins.
Loam	Upland	4 tons raisins.
Sandy loam	Upland	¾ ton raisins; not really bearing.
Loam	Upland	25 tons raisins.
Granite loam	Upland	20 tons raisins.
		531¼ tons raisins.
		25 tons grapes.
Sandy loam	Upland	10 tons raisins.
Sandy loam	Upland	No estimate taken.
Light sandy loam	Upland	Not in full bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	15 tons raisins.
Sandy loam	Upland	5 tons raisins.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	10 tons raisins.
Sandy loam	Upland	Not then in bearing.
Sandy loam	Upland	8 tons raisins.
Sandy loam	Upland	10 tons raisins.
		58 tons raisins.
Rich loam from decomposed granite	Mountain valley	
Rich loam from decomposed granite	Mountain valley	24 tons raisins.
Rich loam from decomposed granite	Mountain valley	18 tons raisins.
Rich loam from decomposed granite	Mountain valley	
Rich loam from decomposed granite	Mountain valley	2 tons raisins.
Rich loam from decomposed granite	Mountain valley	10 tons raisins.
Rich loam from decomposed granite	Mountain valley	
Rich loam from decomposed granite	Mountain valley	6 tons raisins.
Rich loam from decomposed granite	Mountain valley	20 tons raisins.
Rich loam from decomposed granite	Mountain valley	5 tons raisins.
Rich loam from decomposed granite	Mountain valley	10 tons raisins.
		95 tons raisins.

Remarks: Wm. Hall—Only coming into bearing this year.

Remarks: J. S. McDonald—Only planted two years ago.

Remarks: Meyers, Sweetland & Pinney—Only coming into proper bearing this year.

Remarks: Mrs. F. E. Shaw—Only in proper bearing this year.

SAN BERNARDINO

Name and Address.	Total Acres in Vines.....	Acres in Bear-Ing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Highland District.						
Barrett, S. H., Highland.....	9	9			9	
Beatie, J. W., Highland.....	2	2			2	
Cram Bros., Highland.....	7	7			7	
Cunningham & Stone, Highland.....	8	8			8	
Curtis, J. W., Highland.....	14	14			14	
Foster, A. T., Highland.....	8	8			8	
Grow, W. F., Highland.....	4	4			4	
Henderson, R. W., Highland.....	14	14			14	
Hidden, Chas., Sr., Highland.....	5	5			5	
Longmire, R., Highland.....	3	3			3	
Quinman, H. J., Highland.....	9	9			9	
Watson Bros., Highland.....	6	6			6	
Watson, J., Highland.....	2	2			2	
Ontario District.						
	91	91			91	
Allen, A., Ontario.....	4	4			4	
Bates, A. F., Ontario.....	5½	5½			5½	
Borthwick, Ontario.....	5	5			5	
Farlow, W. C., Ontario.....	4	4			4	
Frankish, C., Ontario.....	5	5		5		
Freeman, Rev. J. W., Ontario.....	5	5			5	
Garyan, P., Ontario.....	4	4			4	
Holmes, J., Ontario. (See Remarks)	7	7			7	
McConnell, Miss, Ontario.....	7	7			7	
Rosenveidt, Mrs., Ontario.....	10	10			10	
Westwood, James, Ontario.....	5	5			5	
Rialto District.						
	61½	61½		5	56½	
Bartley, W., Rialto.....	8	8			8	
Bohannan, C., Rialto.....	10	10			10	
Bohnard, Frank, Rialto.....	27	17	17		10	
Bostwick, J., Rialto.....	8	8			8	
Bradley, C., Rialto.....	2	2			2	
Burgh, J., Rialto.....	7	7			7	
Campbell, J. L., San Bernardino.....	15	15	15			
Carpenter, C. E., Rialto.....	20	20			20	
Carter, S., Rialto.....	7½	7½			7½	
Cowan, W. G., Rialto.....	8	8			8	
Ericson, E. T., Rialto.....	4	4			4	
Featherbaugh, —, Rialto.....	5	5			5	
Fiddler, —, Rialto.....	10	10			10	
Fowler, W. L., Rialto.....	10	10			10	
Fowler, A. B., Rialto.....	15	15			15	
Frith, J. B., San Bernardino.....	60	60			60	
Green, Mrs., Rialto.....	2½	2½			2½	
Harman, J. H., Rialto.....	5	5			5	
Herkelrath, —, Rialto.....	10	10			10	
Irwin, R., Rialto.....	90	80			90	
Johnson, I., Rialto.....	8	8			8	
Langstaff, —, Rialto.....	15	15			15	
Leonard, A. B., Rialto.....	7	7			7	
Litz, E. D., Rialto.....	10	10			10	
Lynn, W. S., Rialto.....	13	13			13	
McWethy, M., Rialto.....	8	8			8	
Mills, M. H., Rialto.....	15	15			15	
Milligan, J. S., Rialto.....	40	40			40	
Morrow, C. R., Rialto.....	7	7			7	
Norwood, E. P., Cucamonga.....	2½	2½			2½	
Oppenheimer, Mrs., Rialto.....	40	20			40	
Orr, J., Rialto.....	7	7			7	

Remarks: J. Holmes—Vines in good order.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Loam	Valley	8 tons raisins.
Loam	Valley	2 tons raisins.
Loam	Valley	6 tons raisins.
Loam	Valley	7 tons raisins.
Loam	Valley	12 tons raisins.
Loam	Valley	8 tons raisins.
Loam	Valley	4 tons raisins.
Heavy loam	Upland valley	13 tons raisins.
Loam	Valley	4½ tons raisins.
Loam	Valley	3 tons raisins.
Adobe	Upland valley	8 tons raisins.
Loam	Valley	6 tons raisins.
Heavy loam	Valley	2 tons raisins.
		93½ tons raisins.
Sandy loam	Upland	4 tons raisins.
Sandy loam	Upland	32 tons grapes.
Sandy loam	Upland	2½ tons raisins.
Sandy loam	Upland	5 tons raisins.
Loam	Foothill	15 tons raisins.
Sandy loam	Upland	5½ tons raisins.
Sandy loam	Upland	5 tons raisins.
Sandy loam	Upland	5 tons raisins.
Sandy loam	Upland	19 tons grapes.
Sandy loam	Upland	23 tons grapes.
Sandy loam	Upland	15 tons grapes.
		89 tons grapes.
		62 tons raisins.
Loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam, very rich	Upland	85 tons grapes.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	75 tons grapes.
Sandy loam	Upland	10 tons raisins.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in proper br'ng.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in full bearing.
Loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Sandy loam	Upland	Not in bearing.
Loam	Upland	Not in bearing.

SAN BERNARDINO

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
Rialto District—Continued.						
Osgoodly, G. H., Rialto	10	10			10	
Pruett, Dr., Rialto	12	12			12	
Sandy, J., Rialto	5	5			5	
Semi-Tropic Land and Water Co., Rialto	20	20	20			
Snodgrass, A. E., Rialto	7	7			7	
Smith, Capt., Rialto	2	2			2	
Smith, E. R., Rialto	10	10			10	
Sweesy, J. W., Rialto	5	5			5	
Sweesy, V. M., Rialto	5	5			5	
Thorn, J. C., Rialto	10	10			10	
Turner, G. N., Rialto	5	5			5	
Twining, H. La Verne, Rialto	16	16			16	
Twining, Prof. N. C., Rialto	15	15			15	
Van Ness, Frank, Rialto	8	8			8	
Wright, J., Rialto	5	5			5	
	631½	601½	52		579½	
Redlands District.						
Baker, C. H., Redlands	8	8			8	
Biggin, H. F., Redlands	2	2			2	
Brown, J. L., Redlands	4	4			4	
Bunch, H., Redlands	7	7			7	
Cook, Simeon, Redlands	8	8			8	
Crafts, George H., Redlands	10	10			10	
Cutts, E. R., Redlands	4	4			4	
Evans, H. Y., Redlands	4	4			4	
Garston, —, Redlands	2½	2½			2½	
Green, F. W., Redlands	20	20			20	
Hoskin, John, Redlands	15	15			15	
Lawry, W., Redlands	17	17			17	
Marshall, Hugh, Redlands	12	12			12	
Steuart, Rev., Redlands	4	4			4	
Stillman Estate, Redlands	150	150	70		80	
Vache, E., Redlands	15	15	15			
	282½	282½	85		197½	
Rochester District.						
Bartell, John, Rochester	25	25			25	
Bliss, W. F., Rochester	10	10			10	
Burgess, J. D., Rochester	10	10			10	
Chaffee, S. J., Rochester	20	20			20	
Dickey, William, Etiwanda	25	25			25	
Docktor, H. J., Rochester	10	10			10	
Ewing, Louis, Rochester	10	10			10	
Ewing, W. B., Rochester	8	8			8	
Galloway, A. T., Rochester	10	10			10	
Galloway, David, Rochester	10	10			10	
Galloway, J., Rochester	7½	7½			7½	
Geisman, Bertha, Rochester	20	20			20	
Geisman, J., Rochester	20	20			20	
Geisman, Mary, Rochester	20	20			20	
Gould, W., Rochester	7	7			7	
Hill, A. E., Rochester	10	10			10	
Hirst, Samuel, Rochester	10	10			10	
Johnson, J. S., Rochester	6	6			6	
Judge, Albert, Etiwanda	48	25			48	
Kelly, Miss S. R., Rochester	10	10			10	
McDonough, H. H., Rochester	2	2			2	
McDonough, Mrs., Rochester	10	10			10	
McLasham, J. D., Rochester	10	10			10	
McMeyer, Hugh, Rochester	10	10			10	
Millings, H. J., Rochester	10	10			10	
Montgomery, —, Rochester	15	15			15	

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SAN BERNARDINO

Name and Address.	Total Acres in Vines.....	Acres in Bearing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Rochester District—Continued.						
Morse, Dr. S. J., Rochester.....	10	10	-----	-----	10	-----
Nesbitt, A. W., Rochester.....	320	320	-----	-----	320	-----
Poindexter, —, Rochester.....	10	10	-----	-----	10	-----
Price, S. W., Rochester.....	7	7	-----	-----	7	-----
Reader, Marion D., Rochester.....	10	10	-----	-----	10	-----
Redpath, F. H., Rochester.....	10	10	-----	-----	10	-----
Smith, C. W., Rochester.....	100	100	-----	-----	100	-----
Smith, R. L., Rochester.....	30	30	-----	-----	30	-----
Smith, Jr., C. W., Rochester.....	5	5	-----	-----	5	-----
Southworth, A. M., Rochester.....	10	10	-----	-----	10	-----
Stevens, J. W., Rochester.....	30	30	-----	-----	30	-----
Swanton, E. E., Rochester.....	25	25	-----	-----	25	-----
Wilkins, Charles F., Rochester.....	10	10	-----	-----	10	-----
San Bernardino District.	930½	907½	-----	-----	930½	-----
Anderson, John, San Bernardino. (See Remarks.).....	80	80	80	-----	-----	-----
Bahre, E., San Bernardino.....	1	1	1	-----	-----	-----
Domecq, Mrs. J. P., San Bernardino.....	80	80	80	-----	-----	-----
Drew & Fairbanks, San Bernardino.....	80	80	80	-----	-----	-----
Hewett, I. L. E., Redlands.....	55	55	40	-----	15	-----
Hicks, Mrs., San Bernardino.....	3	3	3	-----	-----	-----
Hicks, N. B., San Bernardino.....	2	2	2	-----	-----	-----
Meyers, Messrs., San Bernardino.....	160	160	160	-----	-----	-----
Openhauer, —, San Bernardino.....	10	10	10	-----	-----	-----
Waterman Estate, San Bernardino.....	10	10	-----	-----	10	-----
Weis, F. B., San Bernardino.....	12	12	12	-----	-----	-----
	493	493	468	-----	25	-----

SAN DIEGO

Alpine District.						
Black, Mrs., Los Angeles. (See Remarks.).....	8	8	-----	-----	8	-----
Brabozon, —, Alpine.....	17	17	7	-----	10	-----
High Bros., Alpine.....	12	12	-----	-----	12	-----
Meister, J., Alpine.....	5	5	5	-----	-----	-----
Pontius, Dr., Alpine.....	4	4	-----	-----	4	-----
	46	46	12	-----	34	-----
Bernard District.						
Sykes, H. A., Bernard.....	10	10	-----	2	8	-----
Witt, C. G., Bernard.....	5	-----	-----	-----	5	-----
	15	10	-----	2	13	-----
Buena District.						
Slaffy, —, Buena.....	4	4	-----	-----	4	-----
El Cajon District.						
Aschard, P., El Cajon.....	7	7	-----	-----	7	-----
Allingham, Wm., El Cajon.....	30	30	-----	-----	30	-----
Asher, J. M., El Cajon.....	9	9	-----	-----	9	-----
Barrett, W. S., El Cajon.....	25	25	-----	-----	25	-----
Bowers, G. H., El Cajon.....	35	35	-----	-----	35	-----
Bayton, E., El Cajon.....	25	25	5	-----	20	-----
Chase, Major L., El Cajon.....	70	70	-----	15	55	-----
Cogswell, Dr. Thos. A., El Cajon.....	3	3	-----	-----	3	-----
Conklin, N. H., El Cajon.....	12	12	-----	-----	12	-----

Remarks: John Anderson—This vineyard was neglected by the tenant last year; hence, the light crop. This year the crop is heavy.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
Sandy loam	Upland valley	Not in bearing.
		3½ tons raisins.
Red loam	Mesa	150 tons grapes.
Sandy loam	Valley	3 tons grapes.
Red loam	Mesa	150 tons grapes.
Sandy loam	Valley	325 tons grapes.
Sandy loam	Valley	158 tons grapes.
Sandy loam	Valley	No account given.
Sandy loam	Valley	9 tons grapes.
Sandy loam	Valley	450 tons grapes.
Sandy loam	Valley	30 tons grapes.
Gravel	Foothill	35 tons grapes.
Sandy loam	Valley	130 tons grapes.
		1,440 tons grapes.

COUNTY.

Red loam	Upland valley	No account taken.
Red loam	Upland valley	3 tons raisins.
Loam	Lowlying in upland valley	7 tons raisins.
Loam	Bottom in upland valley	10 tons grapes.
Red loam	High side in upland valley	3 tons raisins.
		13 tons raisins.
		10 tons grapes.
Loam	Upland valley	5 tons raisins.
Loam	Upland valley	Not then in bearing.
		5 tons raisins.
Loam	Upland	Not then in bearing.
Sandy loam	Upland valley	
Loam	Hillside	
Loam	Lowlying	
Loam	Lowlying	
Loam	Lowlying	
Loam	Hillside	
Light to heavy loam	Hillside	
Loam	Upland	
Loam	Upland	

Remarks: Mrs. Black—No account was taken of the crop of this vineyard in 1892. Many vines have been reset and come into bearing this year.

SAN DIEGO

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
El Cajon District—Continued.						
Cose, F. J., El Cajon	12	12			12	
Covert, Miss, El Cajon	18	18			18	
Cowles Estate, El Cajon	131	131			131	
Crosby & Souther Boston Ranch, El Cajon	586	586			586	
Culbertson, H., El Cajon	10	10			10	
Day, S. J., El Cajon	15	15			15	
Druillard, H. K., El Cajon	120	120			120	
Folsom, Dr. C. F., El Cajon	110	110			110	
Gilbert, A. W., El Cajon	40	40			40	
Goetze, Wm., El Cajon	10	10			10	
Gordon, J. T., El Cajon	100	100			100	
Hale, F. W., El Cajon	50	50			50	
Hall, J. P. R., El Cajon	40	40			40	
Harbaugh, A. G., Cleveland, Ohio	75	75			75	
Hawley, A. P., El Cajon	35	35			35	
Hawley, G. M., El Cajon	18	18			18	
Hawley, Guy, El Cajon	10	10			10	
Hawley, W. D., El Cajon	15	15			15	
Hill, Uri, El Cajon	15	15			15	
Hoffman, Dr. estate of, Hetise P. O.	25	25			25	
Holt, J. H., El Cajon	175	175			175	
Honey, Miss M., El Cajon	90	90			90	
Jackson, F., El Cajon	6	6			6	
Johnson, C. M., El Cajon	125	125			125	
Laycock, Nelson, El Cajon	10	10			10	
Lewis, Dr., El Cajon	10	10	3		7	
McFadden, D. B., El Cajon	7	7			7	
McKoon, B. P., El Cajon	30	30			30	
McKoon, M. P., El Cajon	3	3			3	
Mansfield, Miss L., El Cajon	10	10			10	
Marshall, S. M., El Cajon	90	90			90	
Mason, J., El Cajon	15	15			15	
Millar, T. F., El Cajon	10	10			10	
Moody, —, El Cajon	5	5			5	
Overmeyer, N., El Cajon	20	20			20	
Peel, W. C., El Cajon	45	45			45	
Pennell, Mrs., El Cajon	40	40			40	
Putnam, Mrs., El Cajon. (See Remarks)	10	10			10	
Richards, H. S., El Cajon. (See Remarks)	185	185			185	
Schmidt, T. C., El Cajon	10	10			10	
Scott, W. W., El Cajon	80	80			80	
Shepard, Dr. G. E., El Cajon	17	17			17	
Shuburne, Dr., El Cajon	35	35			35	
Somers, W. H., El Cajon	11	11			11	
Steel, Mrs. E. B., El Cajon	20	20			20	
Stevens, U. J., El Cajon	6	6			6	
Walther, Theo., El Cajon	7	7			7	
Walther, A., El Cajon	7	7			7	
Weeks, S. C., El Cajon	8	8			8	
	2,632	2,632	8	15	2,609	

Remarks: Mrs. Putnam—In the El Cajon district many of the 1892 crops have not been filled in, for the reason that many of the growers in the El Cajon and Sweetwater districts packed their crops together last year, hoping in this way to establish a brand for the district which would be permanent, rather than a dozen or more private brands which would always be liable to change. The attempt was so successful, both in establishing the brand and grades of fruit and in obtaining better prices, that nearly all of the growers will unite their packs this year. The total output for the El Cajon and

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Loam	Lowlying	
Loam	Lowlying	
Sandy loam	Upland valley	94 tons raisins.
Sandy loam and red loam	Upland valley	380 tons raisins.
Sandy loam	Upland valley	8 tons raisins.
Loam	Upland	
Sandy loam	Lowlying	
Sandy loam	Valley	72½ tons raisins.
Sandy loam	Valley	
Red loam	Upland valley	4 tons raisins.
Sandy loam	Valley	
Sandy loam	Lowlying	
Sandy loam	Valley	
Sandy loam	Valley	
Sandy loam	Upland valley	36 tons raisins.
Loam	Upland valley	12 tons raisins.
Loam	Upland valley	10 tons raisins.
Loam	Upland valley	8 tons raisins.
Sandy loam	Upland valley	
Sandy loam	Hillside	15 tons raisins.
Sandy loam to adobe	Upland valley	
Sandy loam	Valley	
Loam	Lowlying	
Sandy loam	Upland valley	
Loam	Lowlying	3½ tons raisins.
Loam	Hillside	
Sandy loam	Upland valley	4 tons raisins.
Sandy loam	Upland valley	23 tons raisins.
Sandy loam	Valley	
Sandy loam	Valley	
Sandy loam and red loam	Hillside	75 tons raisins.
Sandy loam	Hillside	
Sandy loam	Lowlying	
Sandy loam	Hillside	
Loam	Valley	
Sandy loam	Valley	
Sandy loam	Valley	
Sandy loam	Valley	
Red loam	Upland valley	75 tons raisins.
Sandy loam	Valley	78 tons grapes.
Sandy loam	Hillside	
Loam	Hillside	
Loam	Lowlying	
Loam	Upland valley	8 tons raisins.
Sandy loam	Valley	
Loam	Hillside	
Loam	Valley	
Loam	Valley	
Red loam	Valley	
		828 tons raisins.
		78 tons grapes.

Sweetwater Valleys in 1892 was 1,350 tons of raisins. These figures are accurate. Besides this there was a certain amount, not ascertainable, which was sold in small quantities for table use, and a few tons (the amount is given on the owner's sheet) which went to the distillery.

Remarks: H. S. Richards—The greater part, if not the whole, of this crop will go to the distillery this year.

SAN DIEGO

Name and Address.	Total Acres in Vines.....	Acres in Bearing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-93.....
Escondido District.						
Bowen, H. O., Escondido.....	5	5		1	4	
Broadbelt, E., Escondido.....	8	8			8	
Calloway, Chas., Escondido.....	9	9	3		6	
Casson, J. & P., Escondido.....	16	16	16			
Clifford, Jas., Escondido.....	1	1			1	
Connors, Jas., Escondido.....	3	3			3	
Crawford, T. R., Escondido. (See Remarks)	30	18			30	
Crise, Dr. J., Escondido.....	3	3			3	
Crise, D., Escondido.....	6	6			6	
Dickson, J. C., Escondido.....	10	10			10	
Escondido Land and Town Co., Escondido.....	72	72			72	
Golden, L. R., Escondido.....	3	3			3	
Harwood, H. M., Escondido.....	6½				6½	
Heffelman, P. C., Escondido.....	20	20			20	
Higler, E., Chicago, Ill. (See Remarks)	22	22		6	16	
Iswell, J. P., Escondido.....	8	8			8	
Johnston, W. C., Escondido.....	3	3			3	
Mason, S. D., Escondido.....	3	3			3	
Minter, J. S., Escondido.....	15	15		3	12	
Multon, S. D., Escondido.....	3	3			3	
Peet, R., Escondido.....	1	1			1	
Powers, T. J., Escondido.....	7¾	7¾			7¾	
Robinson, T. A., St. Paul, Minn. (See Remarks)	10	10			10	
Smith, W. C., Escondido.....	4				4	
Walsh, W., Escondido.....	10	10	10			
Withington, D. L., Escondido.....	10	10			10	
Wooldredge, Wm. D., Escondido.....	18	18			18	
	307¾	284¾	29	10	268¾	
Fallbrook District.						
Tomlins, M., Fallbrook.....	10	10			10	
Jamul District.						
Barrett, W. H., Jamul.....	10	10			10	
Ferguson, —, Jamul.....	10	10			10	
Maxfield, D. C., Jamul.....	5	5			5	
Maxfield, G. L., Jamul.....	8	8			8	
Lakeside District.						
	33	33			33	
Ferry, W. H., Lakeside.....	9	9			9	
Hill, B., Lakeside.....	20	20	20			
Winchester, J., Lakeside.....	10	10			10	
	39	39	20		19	
Otay District.						
Cordes, R., Otay.....	10				10	
Denari, E., Otay. (See Remarks)	140	140	130		10	
Lohman, G. H., Otay.....	22	18	22			4
McCool, —, Otay.....	20				20	
Moody, L., Otay.....	5				5	
Piper, Fred. K., Otay.....	7				7	
Piper, C., Otay.....	5				5	

Remarks: T. R. Crawford—Vines in good condition; no trace of disease; vineyard one thousand feet elevation; fourteen miles from coast; good crops without irrigation; good climate for drying; vines seven years; those not in bearing two years old.

Remarks: E. Higler—This is the vineyard reported last year as being freshly attacked by the vine disease. A special report was sent in. This year the vines did not show so much disease as they did last year. Many of the vines which showed signs of disease last year were, to all appearances, in perfect health when seen in September of the present year.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Red loam	Upland valley	Not then in bearing.
Loam	Valley	7 tons raisins.
Loam	Upland valley	8 tons raisins.
Heavy loam	Upland	40 tons grapes.
Adobe	Upland	Not in bearing.
Heavy loam	Valley	2 tons raisins.
Decomposed granite	Upland	10 tons raisins.
Loam	Upland valley	Not in bearing.
Loam	Upland valley	Not in bearing.
Loam	Upland valley	11 tons raisins.
Loam	Upland valley	60 tons raisins.
Adobe	Upland	Not then in bearing.
Loam from decomposed granite	Upland	Not then in bearing.
Loam	Upland valley	15 tons raisins.
Sandy to heavy loam	Valley	33½ tons raisins.
Loam	Upland	6 tons grapes.
Adobe	Upland	Not in bearing.
Adobe	Upland	Not in bearing.
Loam	Upland	6 tons raisins.
Heavy loam	Valley	2 tons raisins.
Red loam	Upland valley	Not then in bearing.
Loam	Upland valley	8 tons raisins.
Loam	Upland valley	Not then in bearing.
Heavy loam	Upland	Not then in bearing.
Loam	Upland valley	40 tons grapes.
Sandy loam and red loam	Upland valley	Not then in bearing.
Red loam	Upland valley	6¾ tons raisins.
		169¼ tons raisins.
		86 tons grapes.
Black granitic loam	Low flat	10 tons raisins.
Loam	Upland	*2 tons raisins.
Loam	Upland	*1 ton raisins.
Loam	Upland	*1 ton raisins.
Loam	Upland	No acc't obtainable.
		4 tons raisins.
Heavy loam	Lowlying	5 tons raisins.
Loam	Lowlying and hillside	80 tons grapes.
Red and black loam	Lowlying and hillside	1½ tons raisins.
		6½ tons raisins.
		80 tons grapes.
Light adobe	Mesa	Not bearing.
Sandy loam and black adobe	Valley bottom lands	350 tons grapes.
Light adobe	Mesa	No account taken.
Light adobe	Mesa	Not in bearing.
Light adobe	Mesa	Not in bearing.
Light adobe	Mesa	Not in bearing.
Light adobe	Mesa	Not in bearing.

Remarks: T. A. Robinson—Vineyard has been neglected.

Remarks: E. Denari—This vineyard showed disease on the older vines, mostly among the Mission variety. The tonnage is approximate; some of the vines were not in bearing last year, and some of the crop was sold in small lots to fruit stores, and no account of the weight was kept.

* No account kept of remainder of crop.

SAN DIEGO

Name and Address.	Total Acres in Vines.....	Acres in Bearing.....	Acres in Wine Grapes.....	Acres in Table Grapes.....	Acres in Raisin Grapes.....	Acres Planted in Season of 1892-3.....
Otay District—Continued.						
Studdy, John, Otay.....	6½	6½		1½	5	
Wetmore, Mrs., Otay.....	10				10	
Wolfe, W., Otay.....	2	2			2	
Palm Valley District.						
	227½	166½	152	1½	74	4
Chilson, Miss Ella, Palm Valley.....	10	10			10	
Fitch & Gilman, Palm Valley.....	10	10			10	
Hawley, E. C., Palm Valley.....	5	5			5	
Hawley & Wheaton, Palm Valley.....	13	13		8	5	
McCullum, J. G., Palm Valley.....	15	15			15	
Palmdale Land Company, Palm Valley.....	110	110			110	
Pope, C., Palm Valley.....	20	20			20	
Two good & Cutter, Palm Valley.....	10	10			10	
Poway District.						
	193	193		8	185	
Bardsley, Mrs. M., Merton.....	3	3			3	
Bowron, S., Poway.....	14	14			14	
Cambron, T. J., Poway.....	12	12			12	
Campbell, J. A., Poway.....	20	20			20	
Covell, M. F., Poway.....	20	10			20	
Dearborn, Mrs. L. G., Poway.....	7	7			7	
Fiekas, Levi, Poway.....	1	1			1	
Gilbert, C. G., Poway. (See Remarks).....	35	35			35	
Havermale, S. G., Poway. (See Remarks).....	20	6			20	
Higby, Geo. S., Poway.....	2	2			2	
Higgins, A. G., Poway.....	10	10			10	
Hilleary, Dr. L. N., Poway. (See Remarks).....	40	40			40	
Hilleary, William, Poway.....	10	10			10	
Kear, C., Poway.....	6				6	6
Kent & Co., Louis E., Poway.....	30	30			30	
Leicester, Bernard, National City.....	12	12			12	
Lynch, Capt. L., Poway.....	12	12			12	
McKenzie, Mrs., Merton. (See Remarks).....	8	8			8	
Meeker, M. J., Puyallup, Wash.....	5				5	
Moore, Alice, Poway.....	3	3			3	
Nelson, Niles, Poway.....	40	40			40	
Parnell, G. W., Poway.....	2	2			2	
Rickey, J. H., Poway.....	21	21			21	
Ruch, A. P., Poway.....	5	5			5	
San Diego District.						
	338	332			338	6
Frisbie, J. C., San Diego. (See Remarks).....	8	8			8	
Jacques, B., Mission Valley.....	3	3			3	
Schulenberg, F., San Diego.....	18	18			18	
San Marcos District.						
	29	29			29	
Carpenter, Alex., San Marcos.....	8	8			8	
Coutts, Wm. B., San Marcos.....	20	20	20			
	28	28	20		8	

Remarks: C. G. Gilbert—Twenty-five acres of this vineyard were not in bearing last year.

Remarks: S. G. Havermale—This vineyard was neglected last year.

Remarks: Dr. L. N. Hilleary—This vineyard was neglected last year, but is better looked after this year.

Remarks: Mrs. McKenzie—The former owner is away; present owner only just in possession.

COUNTY—Continued.

Character of Soil in the Vineyard.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Light red loam	Upland	Not in bearing.
Light adobe	Mesa	Not in bearing.
Loam	Valley	Not then in bearing.
		350 tons grapes.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Sandy loam	Valley	Not then in bearing.
Loam	Upland valley	Not then in bearing.
Loam	Upland valley	4½ tons raisins.
Loam	Upland valley	¾ ton raisins.
Loam	Upland valley	4 tons raisins.
Loam	Upland valley	Not then in bearing.
Loam	Upland valley	2 tons raisins.
Loam	Upland valley	1½ tons grapes.
Loam	Upland valley	4 tons raisins.
Loam	Upland valley	No account kept.
Loam	Upland valley	1 ton raisins.
Loam	Upland valley	Crop not gathered.
Loam	Upland valley	12 tons raisins.
Loam	Upland valley	2 tons raisins.
Loam	Upland valley	14 tons raisins.
Loam	Upland valley	
Loam	Upland valley	Not then in bearing.
Loam	Upland valley	7 tons raisins.
Loam	Upland valley	Not ascertainable.
Sandy loam	Upland valley	Not then in bearing.
Loam	Upland valley	1½ tons raisins.
Loam	Upland valley	4 tons raisins.
Loam	Upland valley	Not picked.
Loam	Upland valley	Not then in bearing.
Loam	Upland valley	2 tons raisins.
		60¼ tons raisins.
Red soil and adobe	Upland valley	None.
Loam to adobe	Lowlying	10 tons raisins.
	Valley bottom land	40 tons grapes.
		10 tons raisins.
		40 tons grapes.
Gravel	Upland	No acc't obtainable.
Red adobe	Upland	40 tons grapes.
		40 tons grapes.

Remarks: J. C. Frisbie—Two acres on hillside red soil; the balance, five acres, in valley, mostly adobe. The crop of 1892 mildewed very bad; I presume, because it was not sulphured. This year the crop is very heavy and fine, and was thoroughly sulphured. This vineyard was planted in 1878, and has always, with the above exception, borne large crops.

SAN DIEGO

Name and Address.	Total Acres in Vines	Acres in Bearing	Acres in Wine Grapes	Acres in Table Grapes	Acres in Raisin Grapes	Acres Planted in Season of 1892-3
San Pasqual District.						
Johnson, L. O., San Pasqual. (See Remarks)	7	7			7	
Wolfe, Geo. W., Jr., San Pasqual	18	6			18	12
Wolfe, Geo. W., Sr., San Pasqual	10	10			10	
Sweetwater Valley District.						
	35	23			35	12
Allen, R. C., El Cajon	30	30			30	
Brower, H., Dehesia	9	9			9	
Campbell, A. J., estate of, Dehesia	11				11	
Dabney, H., El Cajon	52	52			52	
Davis, E., Dehesia	20	20			20	
Grey Bros., Dehesia	4	4			4	
Hartley, M. D. L., Dehesia	8	8			8	
Hartley, James, Dehesia	5	5			5	
McFarlan, J. R., Dehesia	28	28		6	22	
Murdock, —, El Cajon	7	7			7	
Nichols, F. L., Dehesia	20	20			20	
Sheldon, D. S., Dehesia	25	25			25	
Snow, —, Dehesia	4	4			4	
Starr, W. E., Dehesia	10	10			10	
Sykes, G. W., Dehesia	17	17			17	
Tuttle, Amos, Dehesia	12	12			12	
Weddle, M. P., El Cajon	41	41		5	36	
Weed, N. M., Dehesia	8	8			8	
Twin Oaks District.						
	311	300		11	300	
Carver, H. B., Buena	3	3			3	
Kuchel, Geo. C., Twin Oaks	15	15	15			
McDougal, C. A., Escondido	18	18			18	
Merriam, G. T., Twin Oaks	50	50	50			
Uhland, Jacob, Twin Oaks	8	8	8			
Vista District.						
	94	94	73		21	
Dallant, A., Vista	5	5	5			
Delpy, Jules J., Vista	20	20	20			
Delpy, Julian, Vista. (See Remarks)	40	40	40			
Gray, W. D., Vista	2	2	2			
Irwin & Fleck, Vista	15				15	
	82	67	67		15	

Remarks: L. O. Johnson—There is in my vineyard some black vines scattered through it, and some young vines that do not bear much yet. Those that are four years and past bear well.

COUNTY—Continued.

Character of Soil in the Vineyards.	How is the Vineyard Situated—Lowlying, Upland, or Mountain?	Crop in 1892.
Sandy red	Upland extend to lowlying	3 tons raisins.
Heavy loam from decomposed granite.	Upland	3 tons raisins.
Heavy loam from decomposed granite.	Upland	5 tons raisins.
		11 tons raisins.
Sandy loam	Lowlying	25 tons raisins.
Loam	Upland valley	Not then in bearing.
Rich loam	Lowlying	Not then in bearing.
Loam and red loam	Valley	52 tons raisins.
Loam	Lowlying	4 tons raisins.
Sandy loam	Lowlying	3 tons raisins.
Red loam	Hillside	6 tons raisins.
Loam	Lowlying	Not in bearing in '92.
Sandy loam	Lowlying	15 tons raisins.
Sandy loam	Valley	7 tons raisins.
Loam	Upland valley	12 tons raisins.
Sandy loam	Lowlying	27 tons raisins.
Sandy loam and red loam	Hillside and lowlying	3 tons raisins.
Sandy loam	Hillside and lowlying	3½ tons raisins.
Sandy loam	Lowlying	14 tons raisins.
Sandy loam	Lowlying	5 tons raisins.
Sandy loam	Valley	26 tons raisins.
Sandy loam	Hillside	5 tons raisins.
		207½ tons raisins.
Loam from decomposed granite	Mountain	Not then in bearing.
Loam from decomposed granite	Mountain	35 tons grapes.
Red adobe	Upland	12 tons raisins.
Granitic loam	Valley	260 tons grapes.
Granitic loam	Valley	12 tons grapes.
		12 tons raisins.
		370 tons grapes.
Loam	Valley	Not then in bearing.
Heavy loam	Valley	60 tons grapes.
Loam and adobe	Valley	No account taken.
Loam	Valley	3 tons grapes.
Loam	Valley	Not in bearing.
		63 tons grapes.

Remarks: Julian Delpy—Owner of this vineyard was away from the place last year; vineyard neglected entirely.

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